GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:2379
ANSWERED ON:30.11.2016
Mega Space Launcher
Hari Shri G.

Will the Minister of SPACE be pleased to state:

(a) whether an advanced Indian mega space launcher that can deliver ten tonne and heavier communication satellites to space and using semi cryogenic engine is likely to power ISRO"s launchers by around 2018 and if so, the details thereof;
(b) whether ISRO is gearing up for first test flight of the GSLV Mark-III vehicle in December with a 4000 kg payload and if so, the details thereof;
(c) whether the Government has approved the development of the semi cryogenic stage alone; and
(d) if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a) No Madam. The semicryogenic engine is currently under development and the semicryogenic stage using this engine is expected to be qualified in the next five years. Whereas, an advanced space launcher that can deliver ten-tonne and heavier communication satellites to space requires a booster stage with clustered Semi-cryogenic engines.

(b) The first developmental flight of the GSLV Mark-III vehicle i.e. GSLV MkIII−D1 is expected to be launched in the first quarter of 2017. The capacity to launch 4 tonnes will be achieved after a few developmental flights. GSLV MkIII−D1 will put a communication satellite namely GSAT-19 into orbit.

(c) & (d)
No Madam. Approval is yet to be obtained for the development of the semicryogenic stage. The technical project report for initiating the approval process is under preparation.

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